

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049894.D
 Acq On : 19 Jul 2018 1:25
 Operator : MD\SY
 Sample : J4016-25
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 06:07:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	573582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	946030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	762618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	268927	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	407498	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	7.59	113	365613	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
50) Toluene-d8	10.09	98	1249498	43.18	ug/l	0.00
Spiked Amount			Recovery	=	86.36%	
62) 4-Bromofluorobenzene	12.40	95	329878	33.10	ug/l	0.00
Spiked Amount			Recovery	=	66.20%	

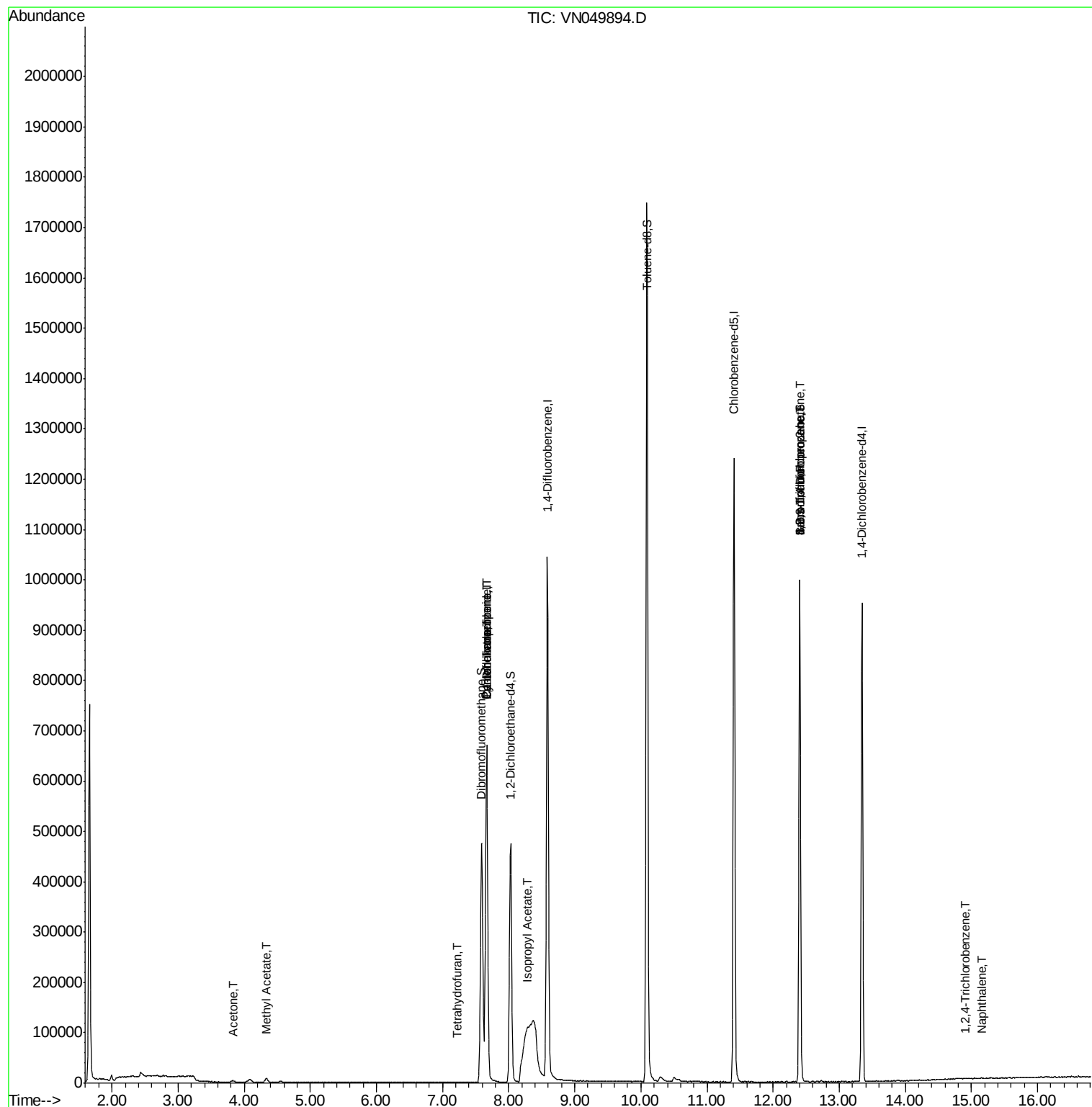
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	616	Below Cal	#	35
16) Acetone	3.83	43	6063	2.97	ug/l	93
18) Methyl Acetate	4.33	43	14955	1.53	ug/l	92
29) Tetrahydrofuran	7.22	42	426	0.23	ug/l #	32
31) Cyclohexane	7.67	56	10838	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	40302	3.83	ug/l #	48
38) Carbon Tetrachloride	7.67	117	51237	4.55	ug/l #	15
43) Isopropyl Acetate	8.28	43	167693	13.29	ug/l #	62
71) Bromoform	12.40	173	3269	0.62	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	163481	32.41	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	163481	101.33	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	101	3.49	ug/l #	1
95) Naphthalene	15.14	128	423	4.52	ug/l #	69

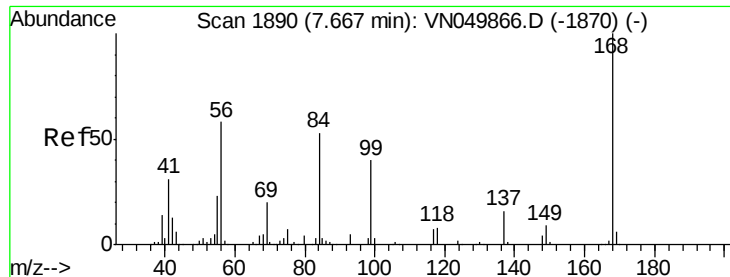
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049894.D

Acq: 19 Jul 2018 1:25

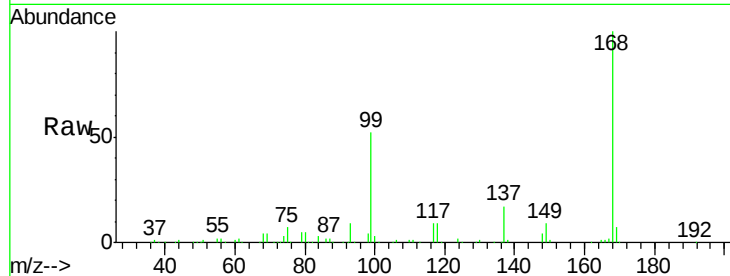
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 573582

Ion Ratio Lower Upper

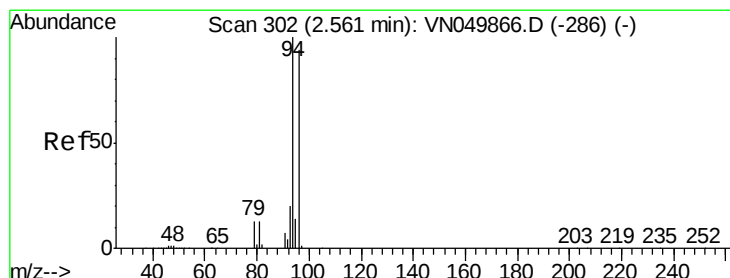
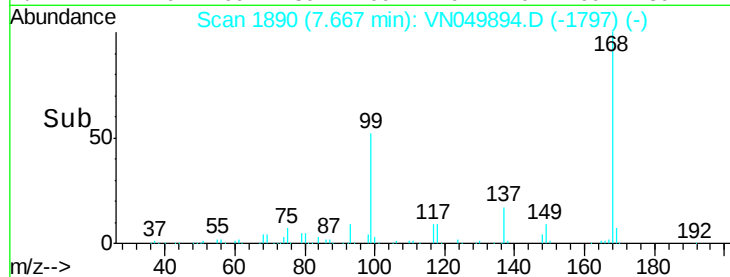
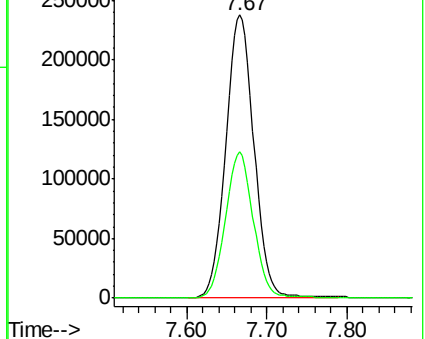
168 100

99 51.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 307

Delta R.T. 0.02 min

Lab File: VN049894.D

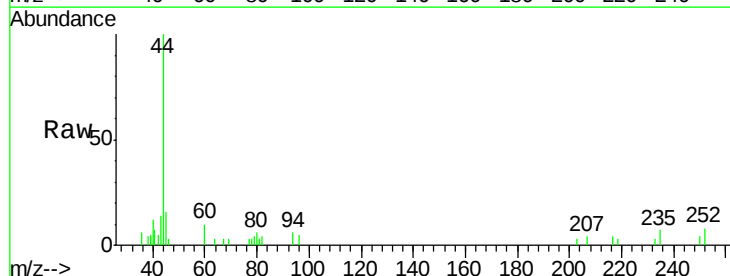
Acq: 19 Jul 2018 1:25

Tgt Ion: 94 Resp: 616

Ion Ratio Lower Upper

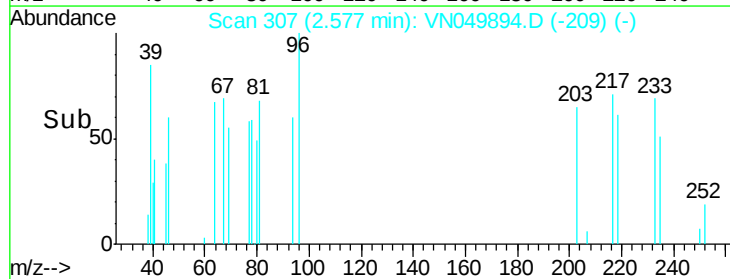
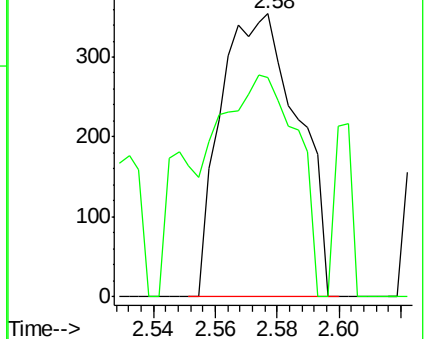
94 100

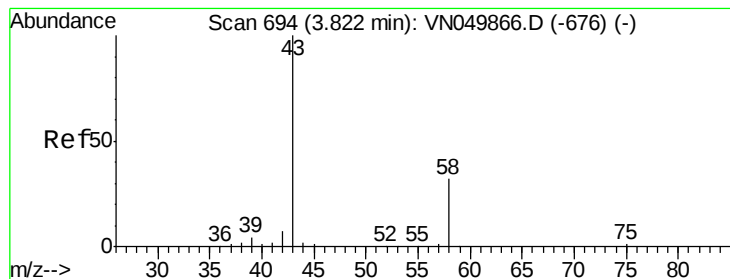
96 31.4 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#16

Acetone

Concen: 2.97 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049894.D

Acq: 19 Jul 2018 1:25

Instrument :

MSVOA_N

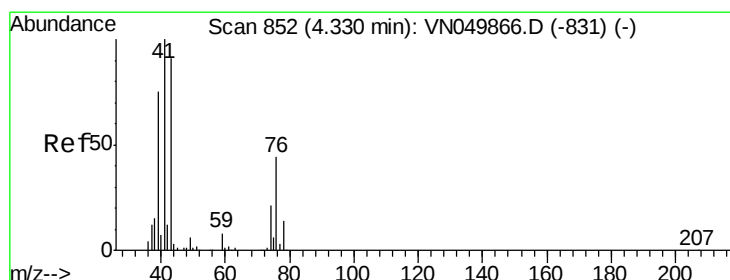
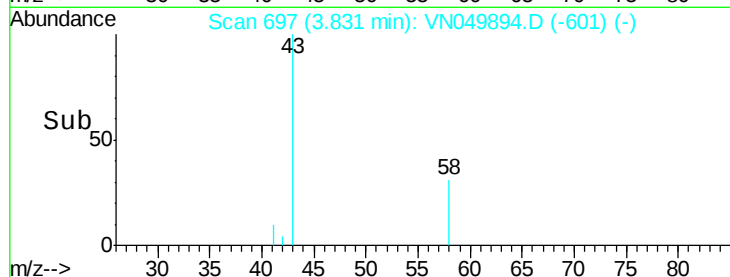
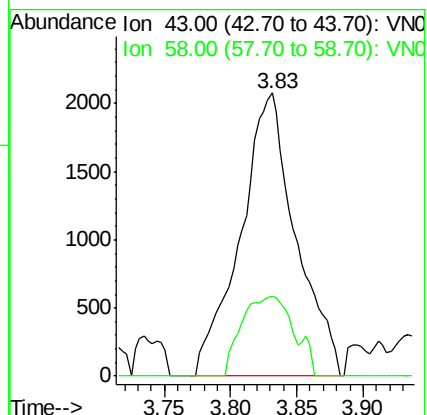
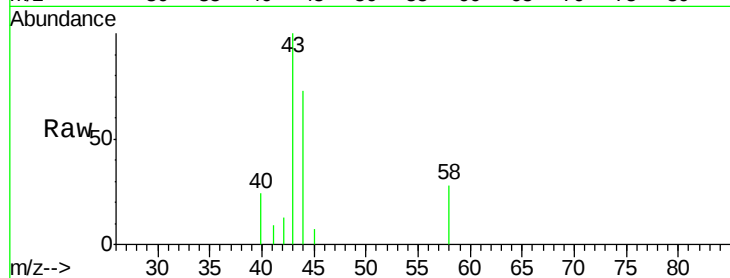
ClientSampleId :

Tot Ion: 43 Resp: 6063

Ion Ratio Lower Upper

43 100

58 28.3 25.9 38.9



#18

Methyl Acetate

Concen: 1.53 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049894.D

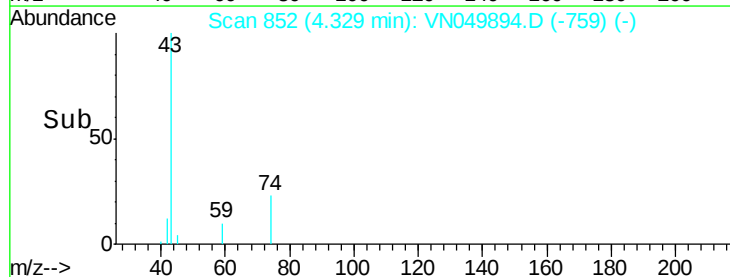
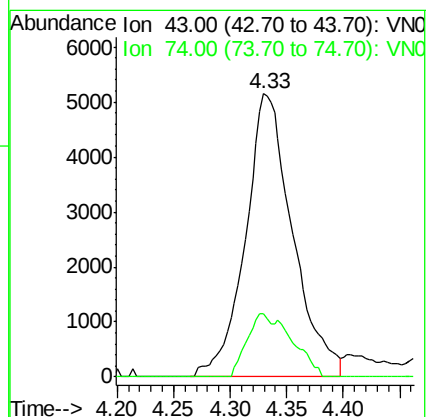
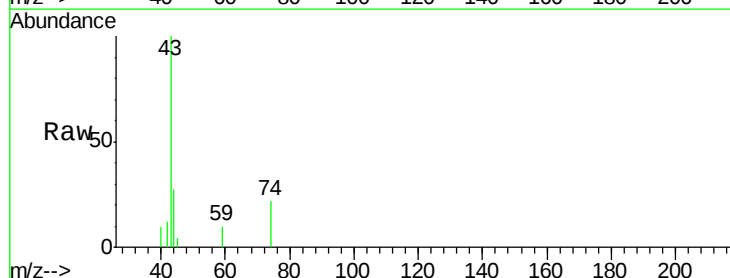
Acq: 19 Jul 2018 1:25

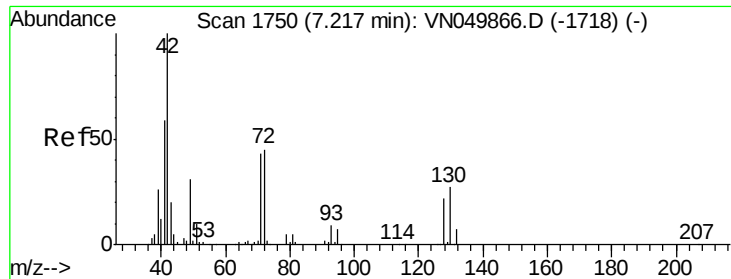
Tgt Ion: 43 Resp: 14955

Ion Ratio Lower Upper

43 100

74 21.0 19.8 29.8

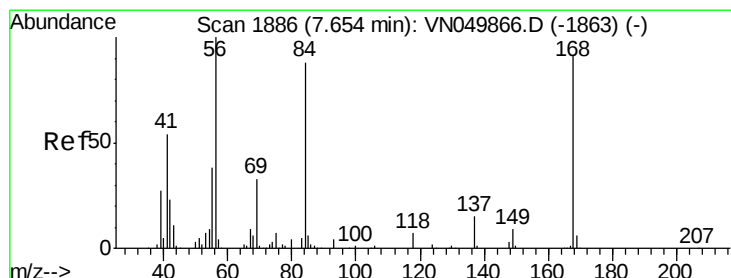
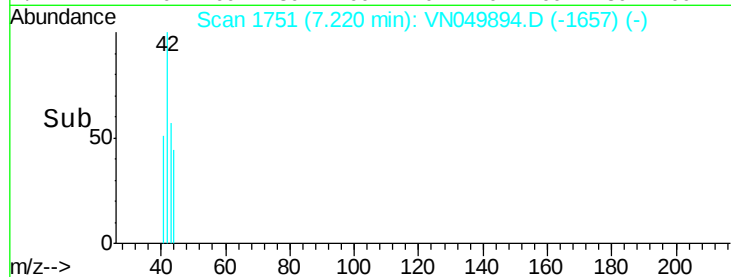
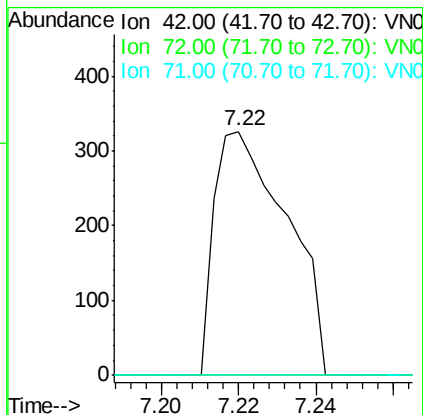
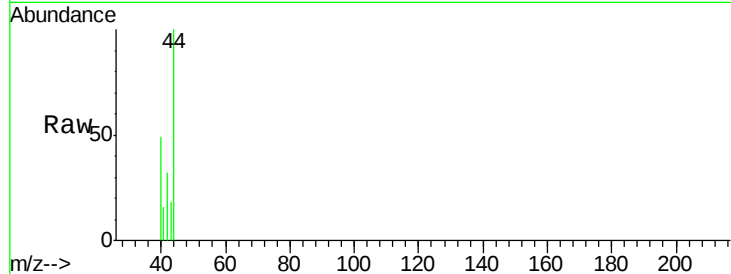




#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049894.D
Acq: 19 Jul 2018 1:25

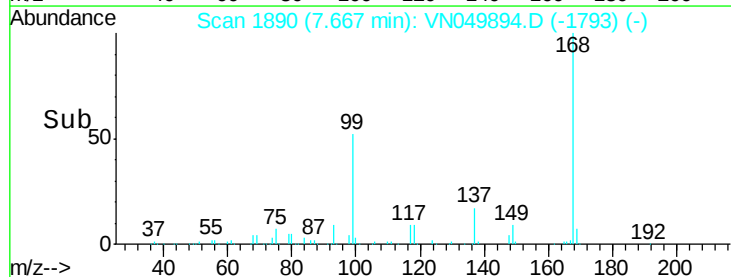
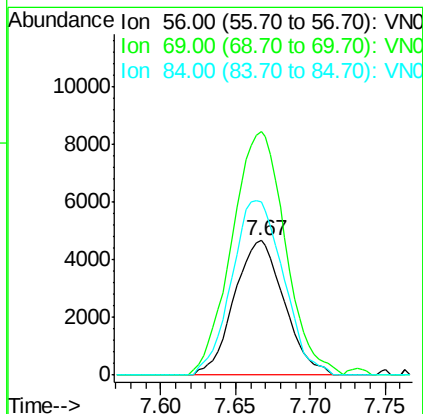
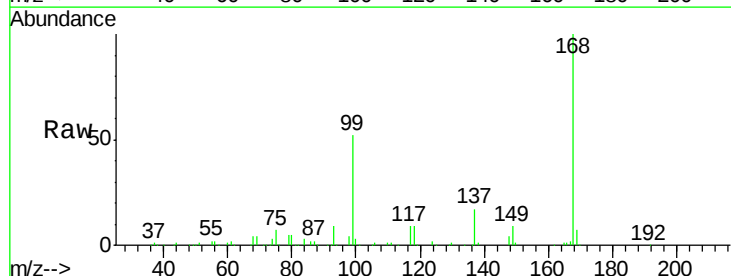
Instrument :
MSVOA_N
ClientSampleId :

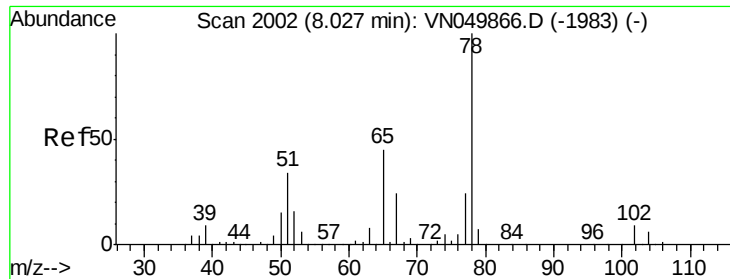
Tot Ion: 42 Resp: 426
Ion Ratio Lower Upper
42 100
72 0.0 35.6 53.4#
71 0.0 34.0 51.0#



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049894.D
Acq: 19 Jul 2018 1:25

Tgt Ion: 56 Resp: 10838
Ion Ratio Lower Upper
56 100
69 180.8 26.6 40.0#
84 128.3 69.0 103.6#

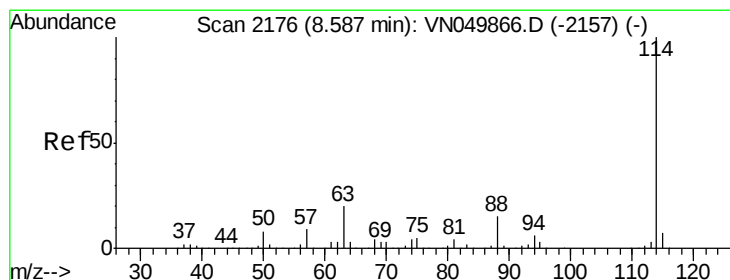
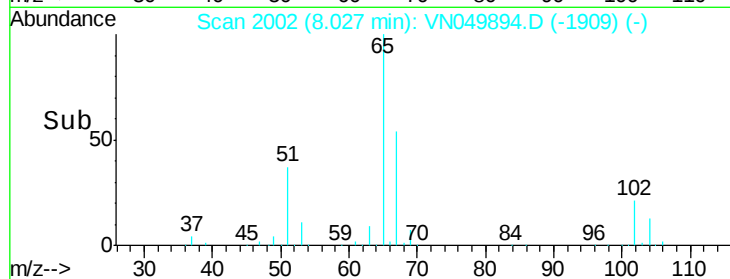
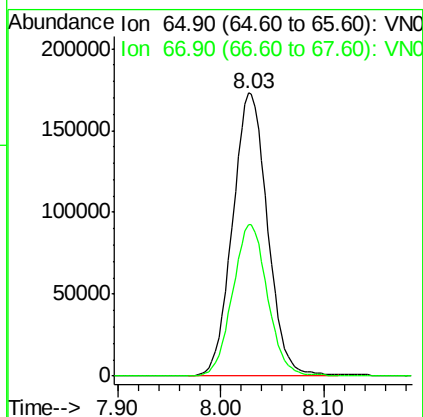
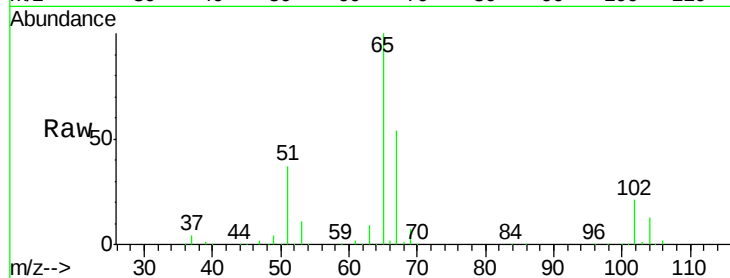




#33
 1,2-Dichloroethane-d4
 Concen: 51.69 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049894.D
 Acq: 19 Jul 2018 1:25

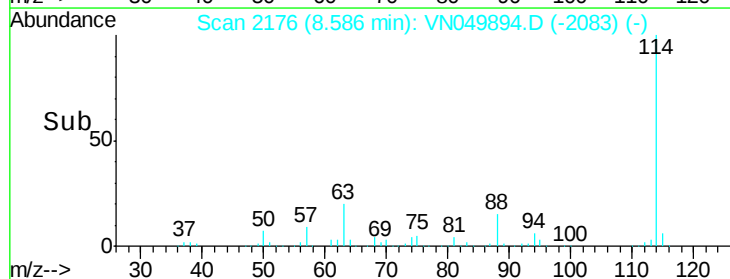
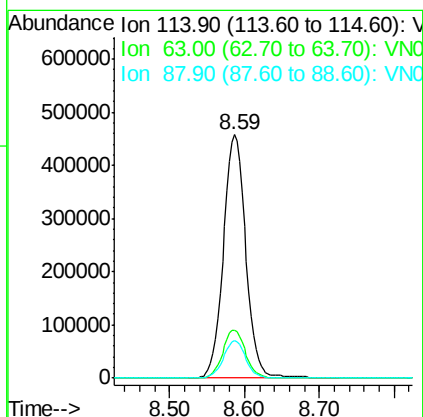
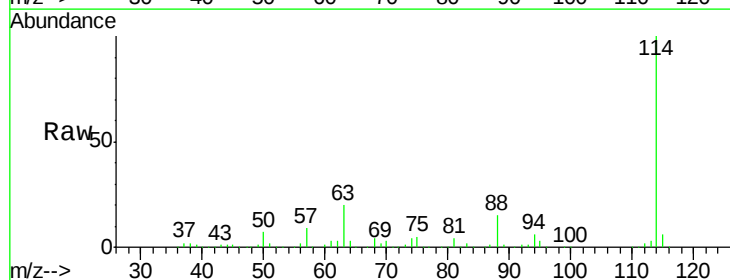
Instrument :
 MSVOA_N
 ClientSampleId :

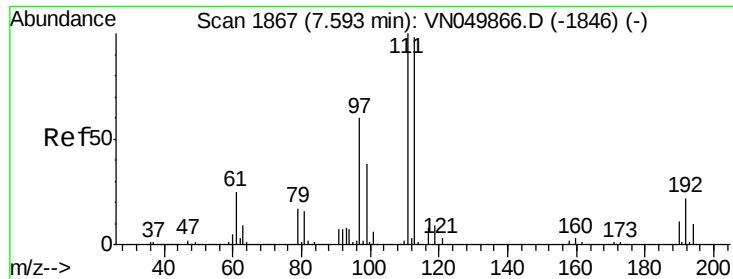
Tot Ion: 65 Resp: 407498
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049894.D
 Acq: 19 Jul 2018 1:25

Tgt Ion: 114 Resp: 946030
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.2 0.0 30.6

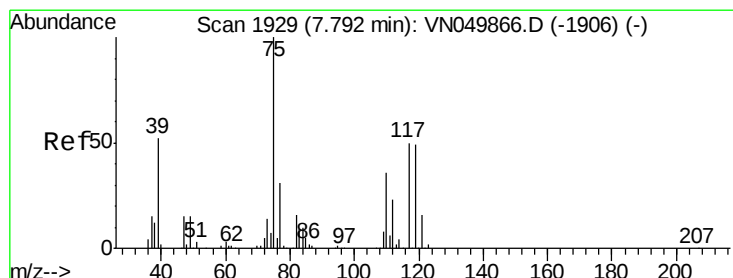
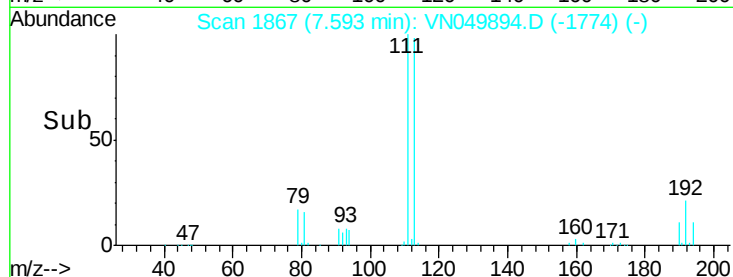
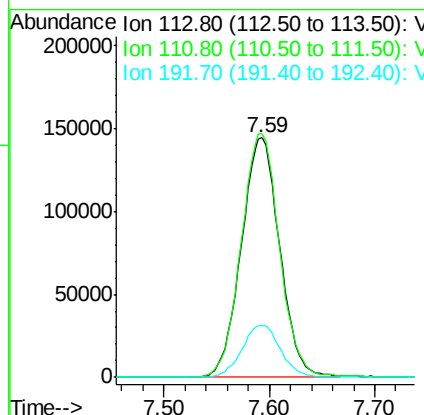
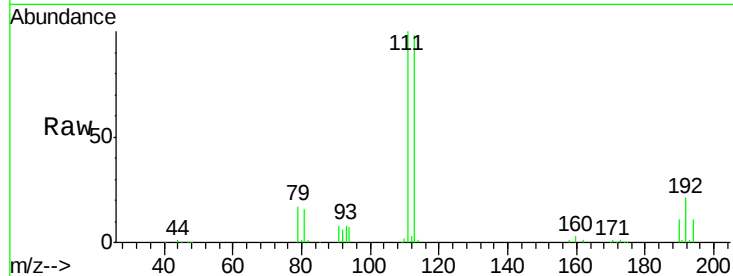




#35
 Dibromofluoromethane
 Concen: 46.04 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049894.D
 Acq: 19 Jul 2018 1:25

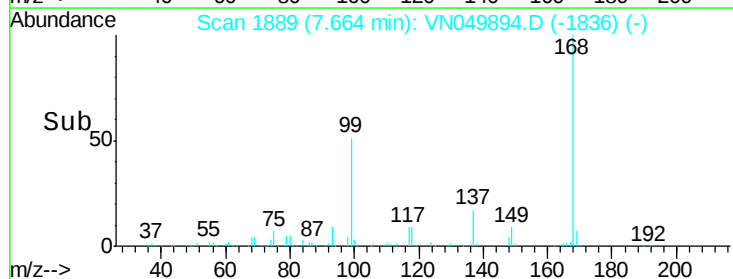
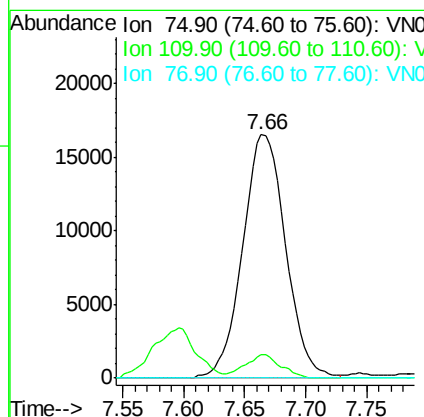
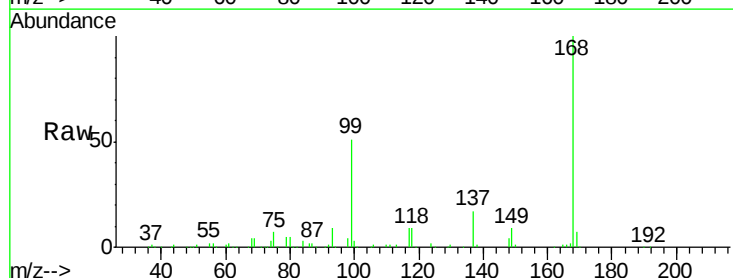
Instrument :
 MSVOA_N
 ClientSampleId :

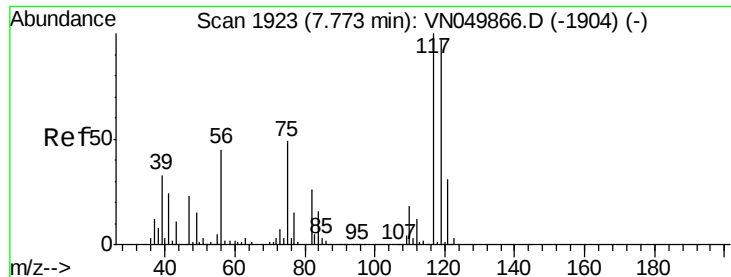
Tot Ion:113 Resp: 365613
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.8
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049894.D
 Acq: 19 Jul 2018 1:25

Tgt Ion: 75 Resp: 40302
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.1 54.4#
 77 0.0 24.9 37.3#

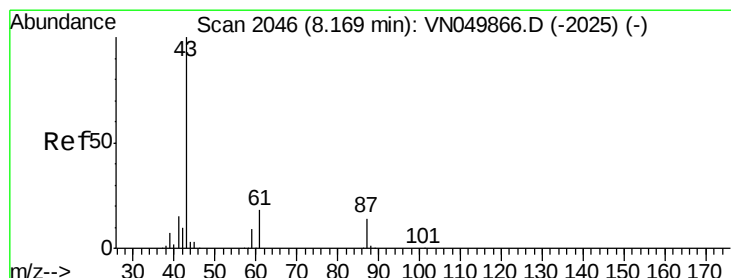
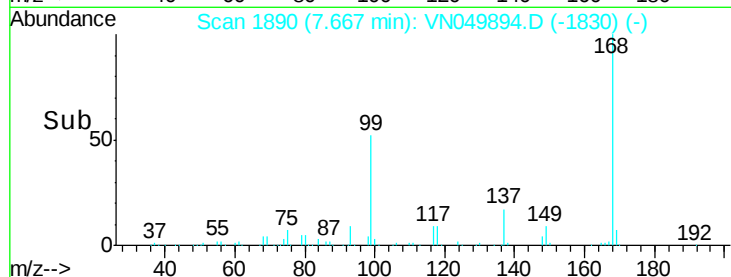
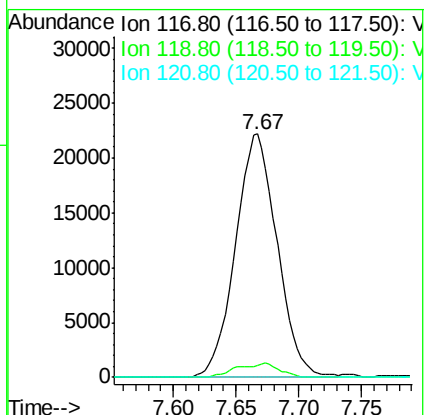
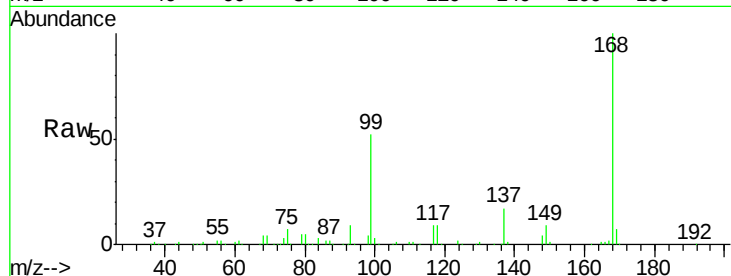




#38
Carbon Tetrachloride
Concen: 4.55 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049894.D
Acq: 19 Jul 2018 1:25

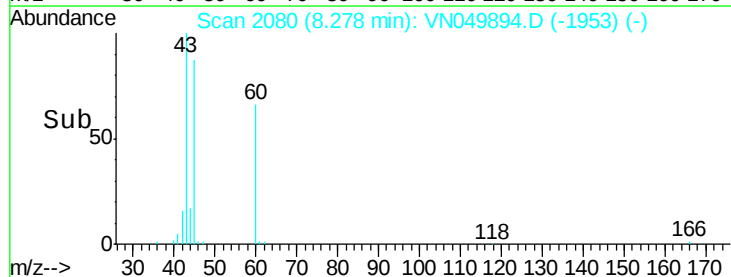
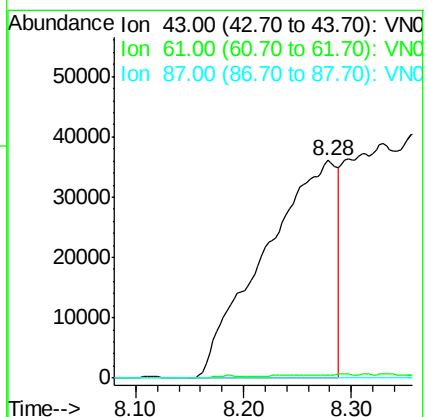
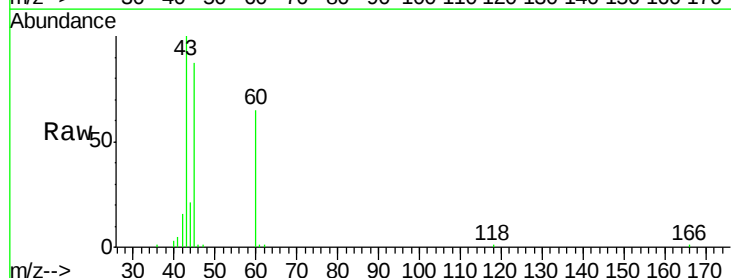
Instrument :
MSVOA_N
ClientSampled :

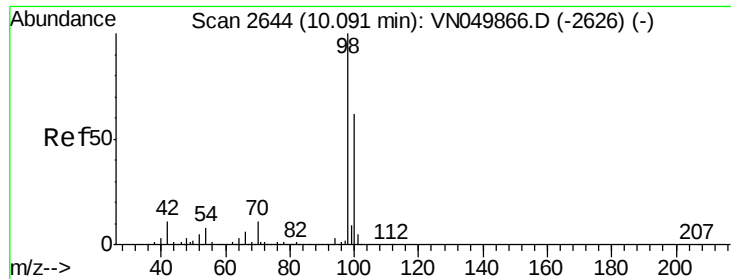
Tot Ion:117 Resp: 51237
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 13.29 ug/l
RT: 8.28 min Scan# 2080
Delta R.T. 0.11 min
Lab File: VN049894.D
Acq: 19 Jul 2018 1:25

Tgt Ion: 43 Resp: 167693
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#





#50

Toluene-d8

Concen: 43.18 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049894.D

Acq: 19 Jul 2018 1:25

Instrument :

MSVOA_N

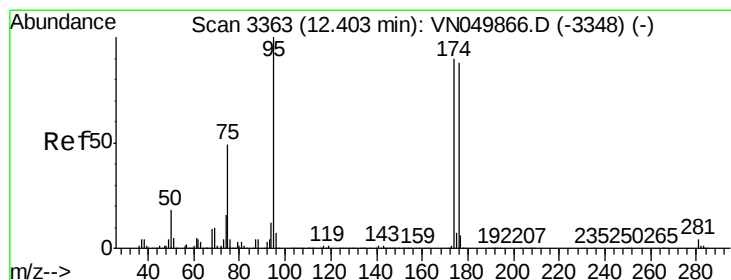
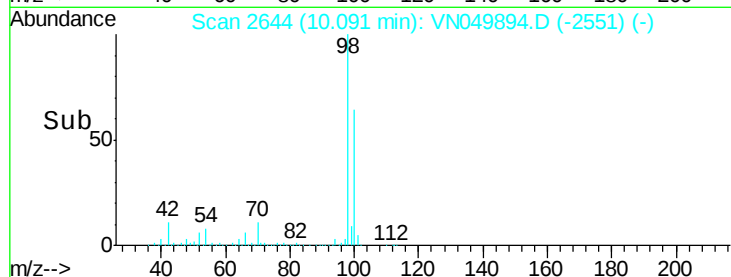
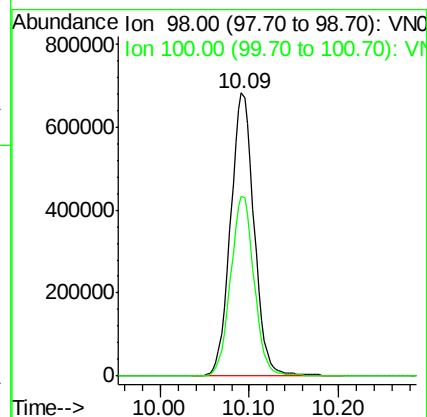
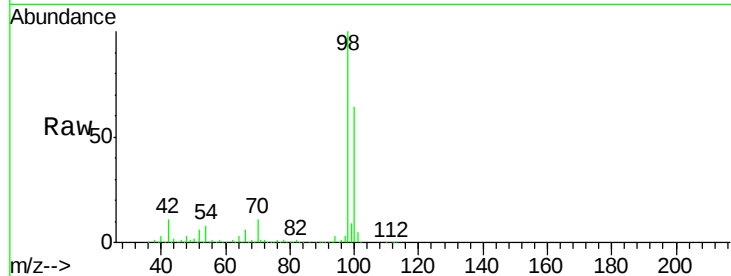
ClientSampleId :

Tot Ion: 98 Resp: 1249498

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 33.10 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049894.D

Acq: 19 Jul 2018 1:25

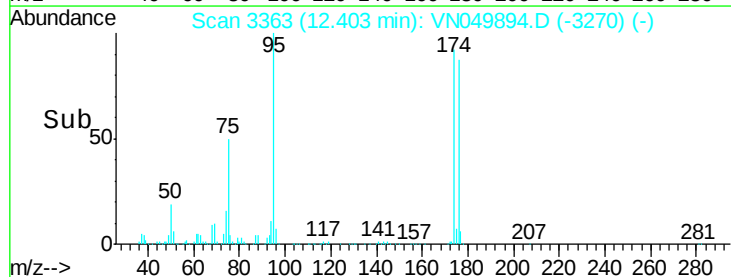
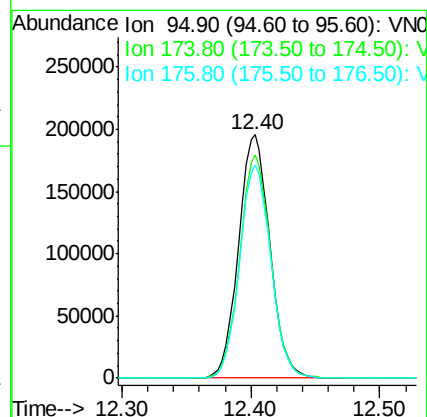
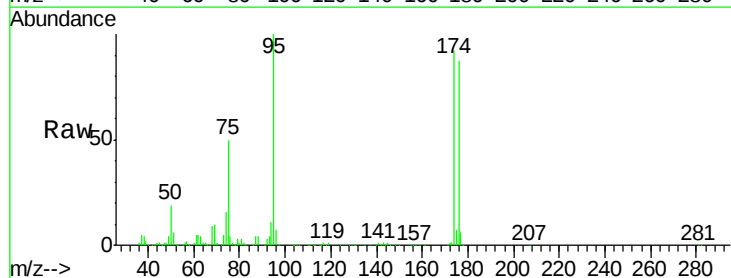
Tgt Ion: 95 Resp: 329878

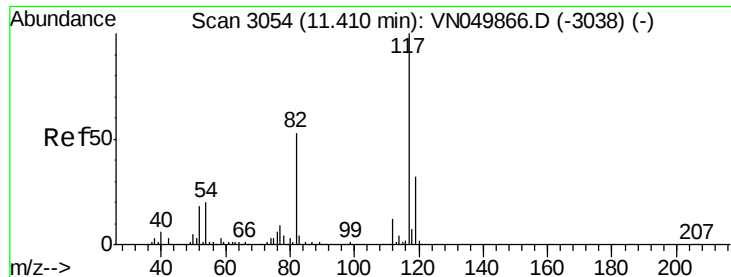
Ion Ratio Lower Upper

95 100

174 91.4 0.0 179.6

176 87.1 0.0 174.0

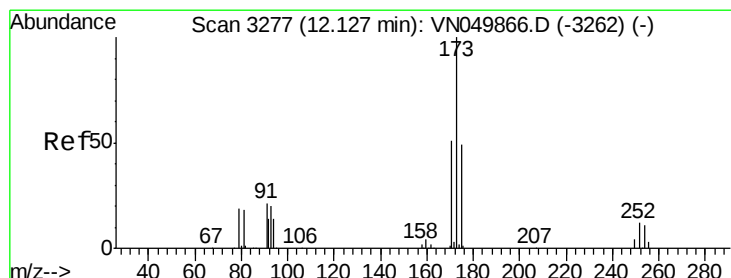
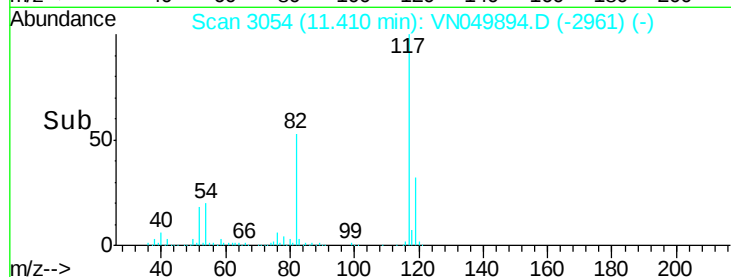
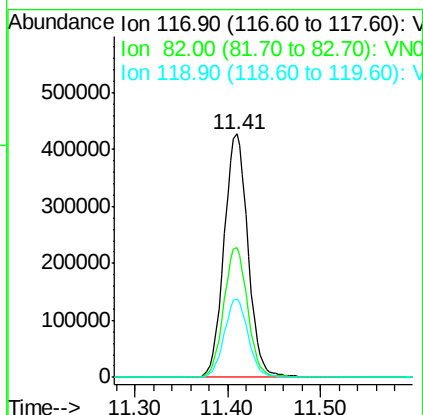
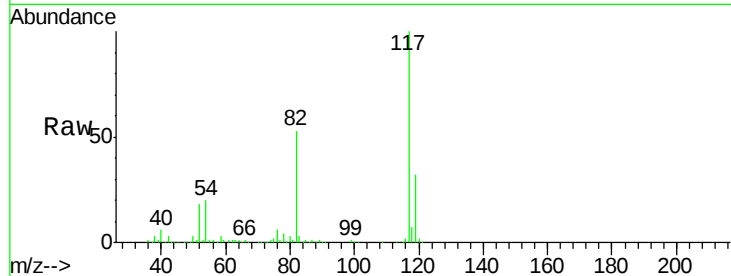




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049894.D
Acq: 19 Jul 2018 1:25

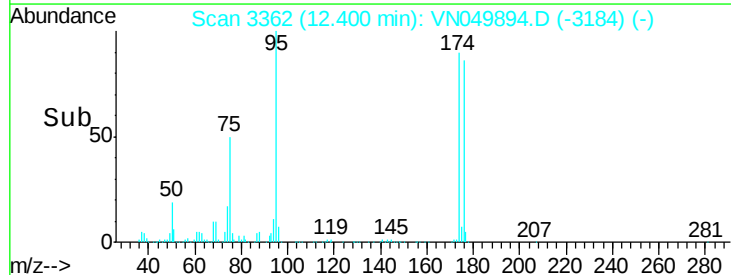
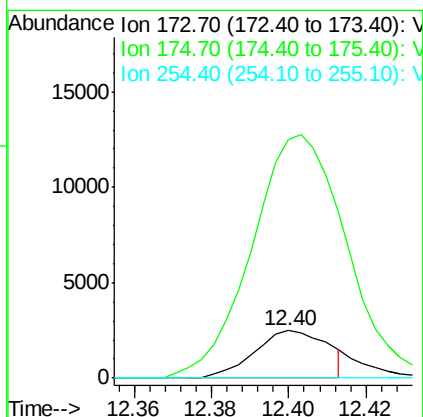
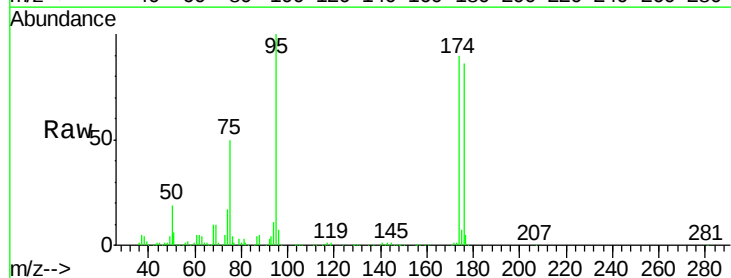
Instrument :
MSVOA_N
ClientSampled :

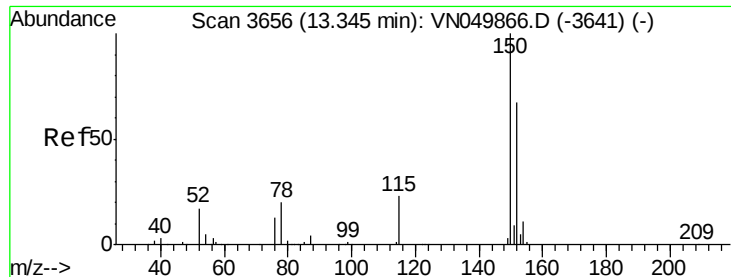
Tot Ion:117 Resp: 762618
Ion Ratio Lower Upper
117 100
82 53.4 41.9 62.9
119 32.5 25.4 38.2



#71
Bromoform
Concen: 0.62 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049894.D
Acq: 19 Jul 2018 1:25

Tgt Ion:173 Resp: 3269
Ion Ratio Lower Upper
173 100
175 561.3 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049894.D

Acq: 19 Jul 2018 1:25

Instrument :

MSVOA_N

ClientSampleId :

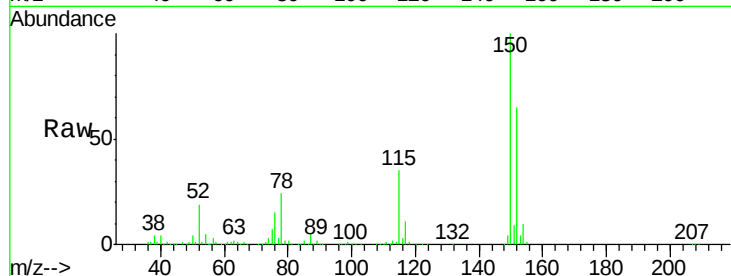
Tot Ion:152 Resp: 268927

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.2

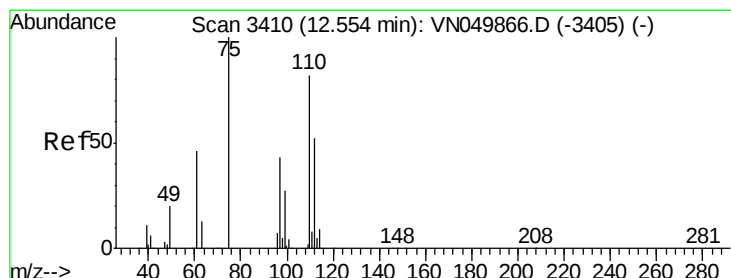
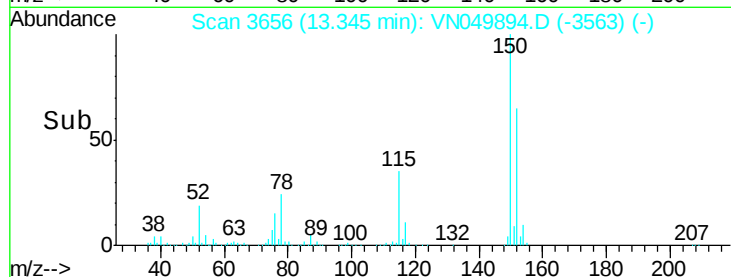
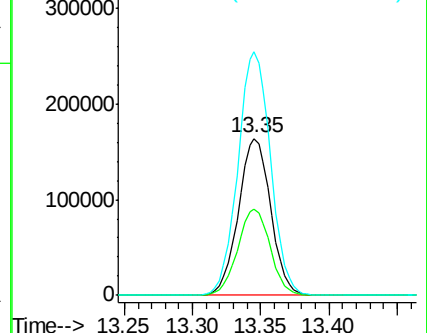
150 156.7 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 32.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049894.D

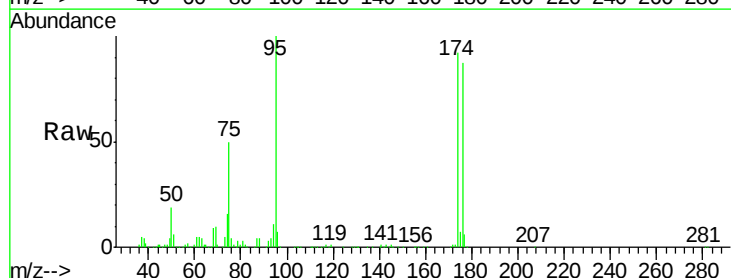
Acq: 19 Jul 2018 1:25

Tgt Ion: 75 Resp: 163481

Ion Ratio Lower Upper

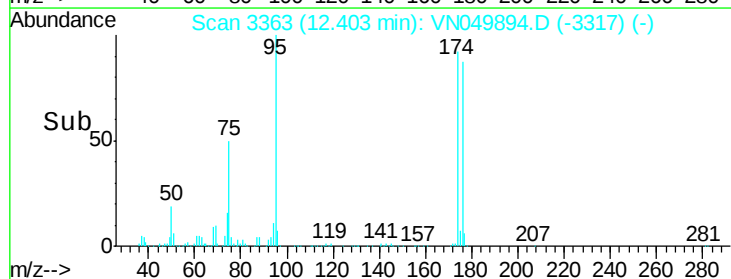
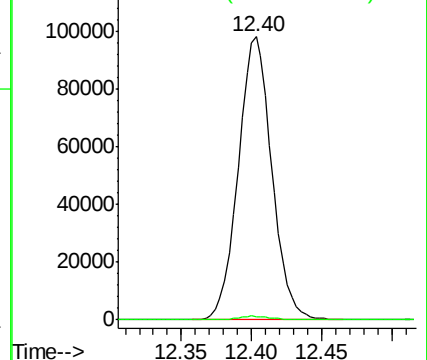
75 100

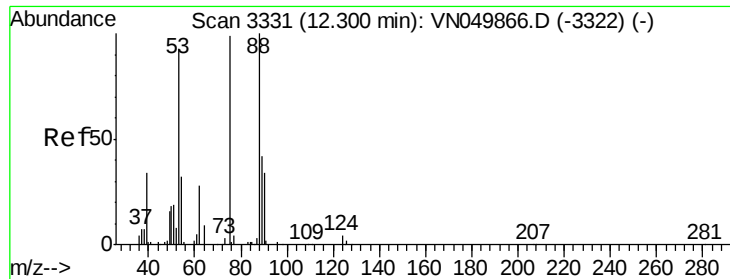
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 101.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049894.D

Acq: 19 Jul 2018 1:25

Instrument :

MSVOA_N

ClientSampled :

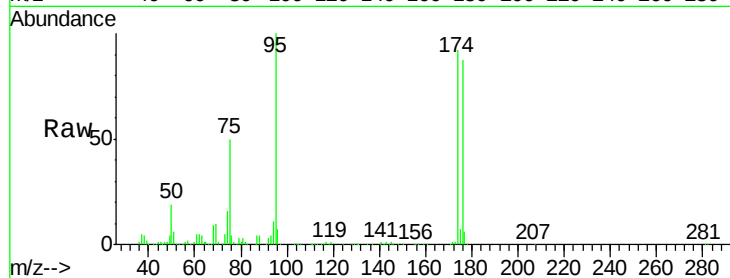
Tot Ion: 75 Resp: 163481

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

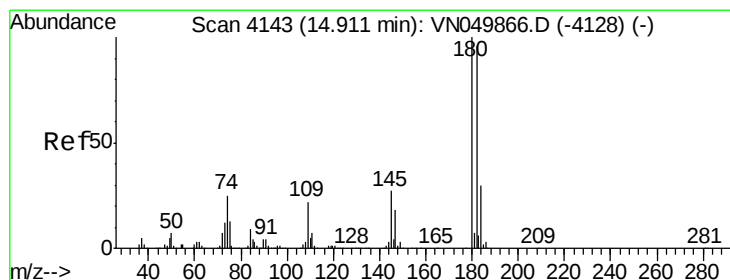
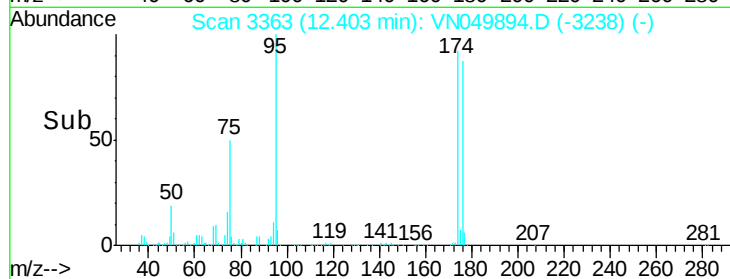
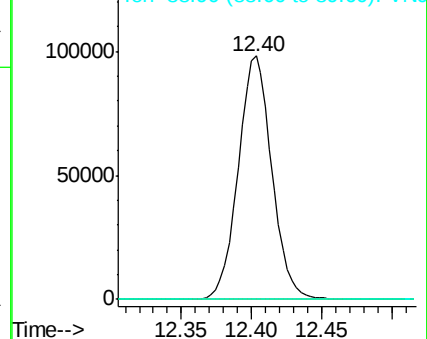
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 3.49 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049894.D

Acq: 19 Jul 2018 1:25

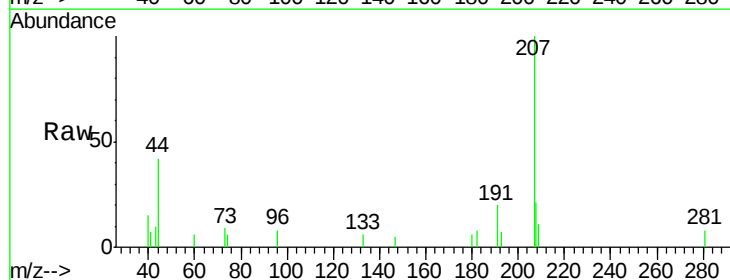
Tgt Ion: 180 Resp: 101

Ion Ratio Lower Upper

180 100

182 208.9 47.3 141.9#

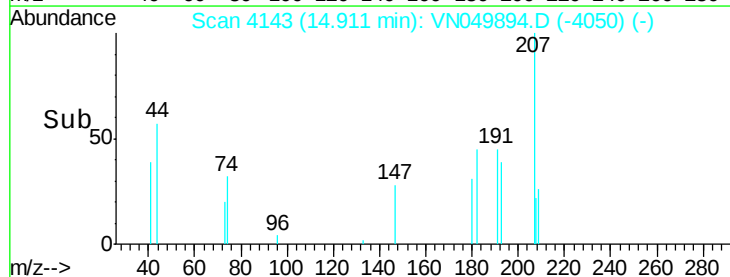
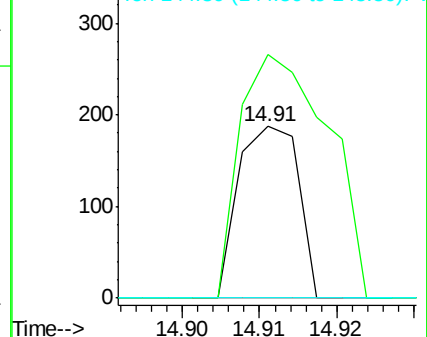
145 0.0 14.4 43.0#

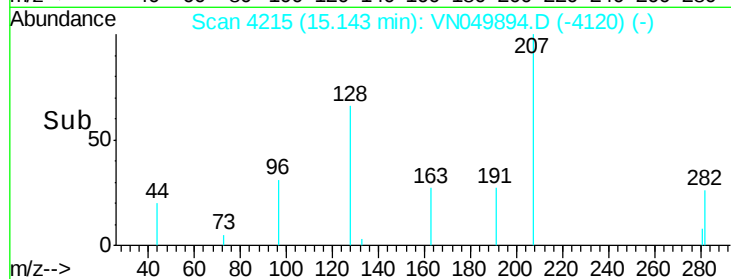
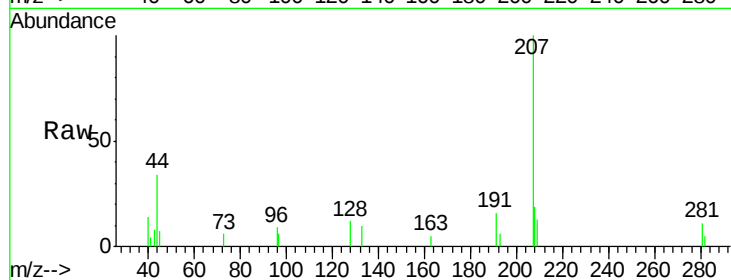
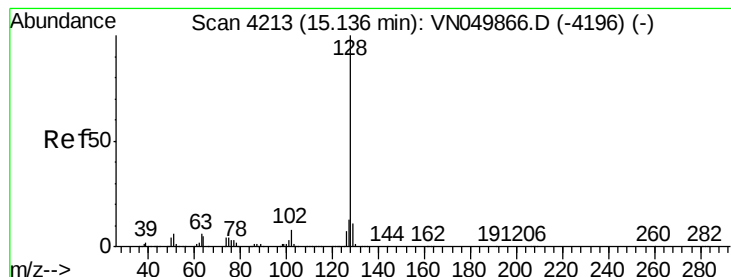


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.52 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN049894.D

Acq: 19 Jul 2018 1:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 423

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#

